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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:

Mohamed Arafa

Title:

METHOD AND APPARATUS TO PROVIDE AN AREA EFFICIENT ANTENNA DIVERSITY RECEIVER

Docket No.: 1000-0020

Serial No.: 10/682,589

Filed: October 9, 2003

Due Date: N/A

Examiner: Unknown

Group Art Unit: 2681

**Mail Stop Amendment**

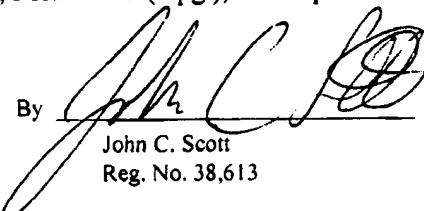
Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- A return postcard and this transmittal document.  
 An Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 1 cited documents.

By   
John C. Scott  
Reg. No. 38,613

**Customer Number: 45643**

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 9 day of March, 2005.

MEREDITH MESCHER  
Name

Meredith Mescher  
Signature

(GENERAL)



S/N 10/682,589

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Mohamed Arafa Examiner: Unknown  
Serial No.: 10/682,589 Group Art Unit: 2681  
Filed: October 09, 2003 Docket: 1000-0020  
Title: METHOD AND APPARATUS TO PROVIDE AN AREA EFFICIENT  
ANTENNA DIVERSITY RECEIVER

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 50-2359 in order to have this Information Disclosure Statement considered.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

**INFORMATION DISCLOSURE STATEMENT**

Serial No :10/682,589

Filing Date: October 09, 2003

Title: METHOD AND APPARATUS TO PROVIDE AN AREA EFFICIENT ANTENNA DIVERSITY RECEIVER

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Dkt: P16749

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

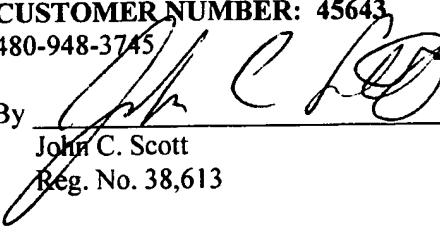
MOHAMED ARAFA

By his Representatives.

**CUSTOMER NUMBER: 45643**

480-948-3745

By

  
John C. Scott  
Reg. No. 38,613

Date 3/8/05

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 9 day of March, 2005.

MEREDITH MESCHER  
Name

  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(Use as many sheets as necessary)*

MAR 14 2005

Complete if Known

<b>Application Number</b>	10/682,589
<b>Filing Date</b>	October 9, 2003
<b>First Named Inventor</b>	Arafa, Mohamed
<b>Group Art Unit</b>	2681
<b>Examiner Name</b>	Unknown

Sheet 1 of 1

Attorney Docket No: 1000-0020

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-4,132,952	01/02/1979	Hongu, M. , et al.	
	US-5,729,829	03/17/1998	Talwar, A. K., et al.	
	US-5,790,587	08/04/1998	Smith, D. G., et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
	EP-0966115A2	12/22/1999	Vuorio, J. , et al.		

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached